Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	10/03/2016 01:41 PM
Tube Loaded Manually:	Yes	Cytometer Baseline:	07/29/2016 03:45 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124478	-1	1.71	124303	1.71
Blue	F	SSC	125000	123923	-1	3.65	124286	3.50
Blue	E	FITC	22946	22448	-3	2.42	1004	9.47
Blue	D	PE	28770	28391	-2	1.98	1020	8.75
Blue	B	PerCP-Cy5-5	51099	50201	-2	3.39	1439	15.78
Blue	A	PE-Cy7	42312	41806	-2	4.87	645	32.48
Red	C	APC	52169	52461	0	2.94	3021	9.19
Red	A	APC-Cy7	56705	56615	-1	2.98	1171	10.69
Violet	B	V450	14708	14135	-4	4.60	677	9.37
Violet	A	V500	58608	57676	-2	4.30	2562	6.82

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19341	4.15	592	-6	N/A	N/A	Pass
Blue	F	SSC	61894	1.87	522	4	N/A	N/A	Pass
Blue	E	FITC	112	36.20	529	-2	0.0245	141	Pass
Blue	D	PE	223	26.01	526	0	0.2042	238	Pass
Blue	B	PerCP-Cy5-5	227	40.90	620	-2	0.0117	67	Pass
Blue	A	PE-Cy7	72	107.83	668	-3	0.0143	15	Pass
Red	C	APC	354	27.26	590	0	0.0223	121	Pass
Red	A	APC-Cy7	127	38.39	573	-3	0.0064	1691	Pass
Violet	B	V450	82	43.61	470	11	0.0465	2148	Pass
Violet	A	V500	186	25.03	500	12	0.0141	954	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.57	47.98 - 71.98	N/A	N/A	-31.54	-31.09	0.81
Blue	20.34	16.27 - 24.41	1.24	0.99 - 1.49	0.00	0.00	1.31
Red	16.90	13.27 - 19.91	N/A	N/A	31.54	31.84	1.14

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 9534

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments